

20001025.ba v03\_n019.bam.20001025

>From ???@??? Wed Oct 25 18:48:52 2000 -0600  
Date: Wed, 25 Oct 2000 18:44:40 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3019  
Message-Id: <20001025235034.A63D026D@devel43.theporch.com>

BOATANCHORS Digest 3019

Topics covered in this issue include:

- 1) need schematic for a DY-27-B  
by David Ross <ross@hypertools.com>
- 2) Re: Anyone parting out an HQ-170 or HQ-180?  
by Don Reaves <dr@cei.net>
- 3) Copper Clad Steel Wire  
by "Barry L. Ornitz" <ornitz@tricon.net>
- 4) Copper Clad Wire  
by =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>
- 5) FS:Heath SB-220 Amp  
by "kx4rgc" <kx4rgc@email.msn.com>
- 6) Welcome Back, Barry  
by "David L. Stinson" <arc5@ix.netcom.com>
- 7) Re: Copper Clad Steel Wire  
by "Sandy Blaize" <ebjr@i-55.com>
- 8) Re: Copper Clad Antenna Wire  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 9) ADMINISTRIVIA: A Few Does and Donts  
by listtown@nanniandjack.com (Mail List Owner)
- 10) BA Miscellany FS  
by Merz Donald S <merz.ds@mellon.com>
- 11) RE: Copper Clad Antenna Wire  
by "Jim Berry" <basalop@gte.net>
- 12) Hammarlund Gray Crackle Paint  
by "Richard Brunner" <rbrunner@gis.net>
- 13) National Co. CAA VHF xmtr & rcvr info needed  
by Paul Thekan <Paul.Thekan@eimac.cpii.com>
- 14) Loran-D  
by Jerry Proc <jproc@idirect.com>
- 15) 65 kHz harmonic artifact?  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 16) Re: 65 kHz harmonic artifact?  
by Scott Robinson <spr@earthlink.net>
- 17) Re: 65 kHz harmonic artifact?  
by Dick Dillman <ddillman@igc.org>
- 18) Re: SX-28 versus SX-28A

by "russ dworakowski" <wb3fau@hotmail.com>

-----  
Message-ID: <39F64662.3AF8352B@hypertools.com>

Date: Tue, 24 Oct 2000 19:33:06 -0700

From: David Ross <ross@hypertools.com>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: need schematic for a DY-27-B

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

BAfolks -

I'm looking for a schematic or other data on a DY-27-B power supply. It's apparently a battery replacement for a PRC-8 or PRC-9 or PRC-10 backpack VHF FM radio. It's a squalid-state inverter which seems to sit on top of a rechargeable battery - the combo then would replace the dry battery originally used to power the PRC-10 radio. This DY-27 looks to be of French origin, possibly built by S.T.T.A.

Sure appreciate any help on this item.

73 & thanks!

Dave Ross      N7EPI      ross@hypertools.com

-----  
Date: Wed, 25 Oct 2000 00:16:57 -0500 (CDT)

From: Don Reaves <dr@cei.net>

To: Old Tube Radios <boatanchors@theporch.com>

cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Anyone parting out an HQ-170 or HQ-180?

Message-ID: <Pine.LNX.4.10.10010250014220.2179-100000@wa5bbs.radiohome.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Al, I may have one of these on a parts carcass I got from another list member. I'll have to dig it out of the back room and see if that part is there. Don't get out that electric drill just yet. I do remember there were no knobs.

Don Reaves    W5OR

Little Rock AR   EM34

CCA, QCWA, AMI

dr@cei.net

> 500k pot with single-pole DOUBLE-throw switch on its back.

-----  
Message-ID: <010401c03e4f\$5f858be0\$fd5c62d8@naxs.com>  
From: "Barry L. Ornitz" <ornitz@tricon.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Copper Clad Steel Wire  
Date: Wed, 25 Oct 2000 02:46:56 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="utf-7"  
Content-Transfer-Encoding: 7bit

Bonjour Andre and the group.

While Jack generally used to frown upon antenna questions here, I think I can bring in enough Boatanchor history to sneak an answer to Andre Guibert's question. :-)

+AD4- Somebody was selling used copper clad line telephone wire  
+AD4- (4 strands), claiming that if it would withstand outdoor  
+AD4- climate for years it should be good enough to be used by  
+AD4- Radio Ham for antenna wire. Copper Clad is a steel wire  
+AD4- with a copper alloy envelope. Anybody has tried it?

The Copperweld Company first started production of copper-clad steel wire in 1915. The idea was to produce a wire with both high strength and high conductivity. Several grades are still made today, as well as copper-clad aluminum wire.

The process involves hot cladding and pressure rolling followed by a drawing operation. The aluminum process is a cold, solid-cladding operation. Both processes produce a true metallurgical bond between the copper outer layer and the core.

Copperweld wire is available in different thicknesses of copper over both hard drawn and annealed steel. For antenna work, the skin effect allows copper clad wire to perform as well as solid wire. +AFs-At 1.8 MHz, the skin depth is approximately 0.05 mm, so a clad wire several times this diameter behaves pretty much as a solid copper wire. The thinnest copper cladding normally used is the 21+ACU- conductivity grade where the copper thickness is 6+ACU- of the wire radius. With a 12 gauge wire, most the RF current will stay in the copper layer. Telephone drop wire generally uses the 30+ACU- conductivity wire where the copper thickness is 10+ACU- of the wire radius.+AF0-

There are steel wires which have an electroplated copper finish. The technology for continuous wire electroplating was developed before WWII. Avoid this wire for antenna work, however, as the copper thickness is very thin and it quickly corrodes through. It is there to provide minimal corrosion protection only. Steel welding wire for MIG welders is generally copper plated to provide corrosion protection and some limited flux action.

While the Copperweld company is older than most of our Boatanchors, it seems to be doing well. Lots of Copperweld products are used in the CATV industry as well as in industrial applications.

Lots of technical data and a virtual factory tour for the Copperweld company may be found at: <http://www.cwwire.com>.

73, Barry WA4VZQ ornitz+AEA-tricon.net

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Message-ID: <000301c03e3d\$57f6e7a0\$4815fea9@b1yhpg64>  
From: =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Copper Clad Wire  
Date: Wed, 25 Oct 2000 00:36:57 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bonjour Barnie and All  
Thank God that you can see again and share your " light" with  
us.  
Andre

-----  
Message-ID: <000701c03e6e\$ef29e9c0\$a2b6143f@kx4rmain>  
From: "kx4rgc" <kx4rgc@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS:Heath SB-220 Amp  
Date: Wed, 25 Oct 2000 06:32:52 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have for sale a Heath SB-220 amp.

Pair of 3-500z tubes, excellent condition.  
Will not ship due to weight. Can be picked  
up in Taylorsville, GA or can meet someone  
within 100 miles or so of Atlanta.  
Also can bring to Chattanooga or Lawrenceville  
Hamfest.  
Price \$475  
770-386-0797  
Tnx and 73, Greg KX4R

-----  
Message-ID: <39F6C331.D54407AF@ix.netcom.com>  
Date: Wed, 25 Oct 2000 06:25:37 -0500  
From: "David L. Stinson" <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Welcome Back, Barry  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Very glad to see you back, Barry.  
Your contributions are one of the main reasons to keep  
Boatanchors coming. I've recently been diagnosed with  
diabetes- stop scaring me ;-).

On the safety issue you mention-  
People tell themselves it will never happen to them.  
That's true, of course.... until it does.  
I've had my eyes saved at least twice by safety glasses.  
Once from a big, hot solder drop carelessly flung  
by a coworker which bulls-eyed the left sideshield.  
It was right on target for my left eye and would  
surely have burned it. The second was a large, exploding  
tantalum capacitor. Words to the wise.

73 DE Dave AB5S

-----  
Message-Id: <200010251220.HAA29433@exit1.i-55.com>  
From: "Sandy Blaize" <ebjr@i-55.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "Boatanchors reflector" <boatanchors@theporch.com>  
Subject: Re: Copper Clad Steel Wire  
Date: Wed, 25 Oct 2000 07:31:59 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset=Default  
Content-Transfer-Encoding: 7bit

Barry,

Glad to see you back!

On eye protection: you mentioned this and it reminded me of people getting contact lenses. I'm thankful I wear glasses, as I'd probably surely have a lot of stuff getting in my eyes doing lathe work or detail work with the old Dremel tool!

Do you know the "clad" specifications on electric fence wire? Or do they make it anymore? I never used it for antenna wire but thought about it a few times.

Best "cheap" antenna wire I think you can use is regular old #14 or #12 solid insulated single conductor house wire. It is only \$15 a 500 ft. spool at Lowe's for the #14. 3 cents a foot is pretty cheap these days!

73,

Sandy Blaize, W5TVW

"In the heart of Pumpkin Center, LA"

-----  
Date: Wed, 25 Oct 2000 07:46:28 -0500 (CDT)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Copper Clad Antenna Wire  
Message-ID: <Pine.OSF.3.96.1001025074335.30587A-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII  
Content-Transfer-Encoding: QUOTED-PRINTABLE

On Tue, 24 Oct 2000, [iso-8859-1] Andr=E9 Guibert wrote:

> Somebody was selling used copper clad line telephone wire(4  
> strands), claiming that if it would  
> withstand outdoor climate for years it should be good enough  
> to be used by Radio Ham for antenna wire.  
> Copper Clad is a steel wire with a copper alloy envelope.  
> Anybody has tried it?

That is known as Copperweld. From what I can tell, the telegraph industry was the first to use this type of wire, but I don't recall that they ever used stranded - just a single conductor.=20

Copperweld antenna wire has been around for years and it is tough stuff - a bit hard to work with, though.

"Nostalgia is a thing of the past"  
E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-4222  
PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

-----  
Message-Id: <200010251815.e9PIF5815481@osr506.nanniandjack.com>  
From: listtown@nanniandjack.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: A Few Does and Donts  
Date: Wed, 25 Oct 2000 11:15:00 -0700 (PDT)

Gang-

Here are the real basics of how to keep me happy, the list noise-free,  
and everyone able to enjoy BoatAnchors... Simple, easy, workable...

Do not send SPAM-type e-mail messages to the list.

Do not send attachments (attached files) of \*ANY\* sort to the list.  
This includes HTML shortcuts, v-cards, GEDCOM files, zipped files, and  
\*ANY\* other type of attachment.

Do not EVER forward virus warnings (which are 99%hoaxes) or send chain  
letters to the list.

Do not use HTML or RTF (rich text format) in messages sent to the  
list.

DO keep e-mail messages to the list on topic and appropriate.

Do not post commercial messages.

Please refrain from posting "Ebay" type auction notices. Refrain from  
"seen on EBAY" posts...

DO be polite.

Do not flame other members of the list.

DO be considerate of the list members and list resources.

DO have fun!

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -

listtown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"  
"Il n'y a que les idiots qui ne changent jamais d'idee"  
Wed Oct 25 11:15:00 PDT 2000

-----  
Message-ID: <20001025182133.20622.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Merz Donald S <merz.ds@mellon.com>  
Subject: BA Miscellany FS  
Date: Wed, 25 Oct 2000 14:16:31 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

BA Miscellaneous For Sale

Hickok Audio Frequency Signal Generator Model Number 198 (also marked =  
"I-

151" whatever that means...). This is an older model generator=20  
covering 20c - 20kc in 3 bands. This is a portable unit in a black-  
wrinkle metal cabinet with a metal handle on top. It only has 3=20  
controls Frequency, Range and Output. Uses binding posts for=20  
connections. Front panel has some light corrosion spots all over.=20  
The dial that displays the frequency is spotted and the dial glass =  
is

missing. Restorable. One of the oldest pieces of Hickok gear I've =  
ever

seen--probably 1930's vintage. As-is. Untested. No Modifications.=20  
Original knobs. \$9

Federal Telephone and Radio Corporation Field Intensity Meter Model =  
101C.=20

This is a portable field strength meter with a handle on top and =  
tripod

mount on the bottom. It is supposed to have snap-on metal front =  
cover and

a loop antenna but both of those are missing. It is in a gray =  
wrinkle=20

box about 12" x 20". There is no sign of a military tag so I think =  
this

is a civilian unit. The left hand compartment houses a vibrator =  
power=20

supply with a connection for 6V input on the front panel. Most of =  
the=20

front panel is covered with numerous controls and connectors. =  
Controls

are LOOP, CAL OSC, BAND (200kc-7MC in 10 steps), SENSITIVITY-COARSE, =



SENSITIVITY-FINE, LOOP ATTENUATOR, RECORDER (LOG and LIN). Tuning is =  
by  
a typical pre-war National vernier dial with the big nickel-plated =  
skirt  
marked 0-100 around 180 degrees. =BC" phone jacks are provided for =  
PHONES  
and RECORDER. A hole on top was supposed to accommodate the now =  
missing  
loop. Dirty but should clean up to excellent looking. All original.  
Untested. As-is. \$20  
Jackson TVG TV/FM Sweep Signal Generator. Huge sweep generator with=20  
separate sweep and marker oscillators. Big, pointer dials. Slightly=20  
dirty but should clean up to excellent condition or better. All=20  
original. With original manual. Untested. As-is. \$14  
Precision ES-500 Cathode Ray Oscilloscope. 5 inch workbench 'scope for =  
the=20  
radio/TV serviceman circa 1948. It is in excellent cosmetic shape=20  
including the intact leather handle on top. The plastic graticule is =  
with  
  
it, as is the hood around the 'scope tube. Big and heavy. =20  
Untested. Complete. All-original. \$13  
Sinclair PDM-35 digital multimeter. A very early LED DMM about the size =  
  
of a handheld calculator. Probably more of an off-beat collector's=20  
item than a shack tool. But it works. With original pouch and test  
leads. \$15 PPD

## LITERATURE

Hallicrafters SX-71 Service Bulletin. In perfect shape with fold-out=20  
schematic. Original: \$24. Photocopies: \$8 PPD.  
Hallicrafters S-40 Service Bulletin Number 1. In perfect shape with=20  
fold-out schematic. Original: \$24. Photocopies: \$8 PPD.  
The Hallicrafters Sky rider 5-10 Model S-21 Operating and Alignment=20  
Instructions. This is the original manual in excellent condition.=20  
Original: \$24. Photocopies: \$8 PPD.=20  
Heathkit AM-2 Reflected Power Meter original manual. Good. \$6 PPD  
Heathkit EF-1 manual copy. Excellent. \$6 PPD (2 available)  
Heathkit HD-1416 Code Oscillator original manual. \$5 PPD  
Heathkit HM-15 Reflected Power Meter And SWR Bridge original manual.=20  
Good. \$6 PPD  
Heathkit HN-31 Antenna dummy load original manual. Excellent. \$5 PPD  
Heathkit HR-20 photocopy manual with all 11x17 drawings. Good. \$7 PPD  
Heathkit HW-202 2-Meter FM Transceiver original manual. With oversize=20  
assembly drawings and separate parts list. Cover worn. \$11 PPD  
Heathkit HWA-2036-3 AC Power Supply original manual. Good. \$7 PPD

Heathkit IM-17 Utility Solid State Voltmeter original manual. Good. \$5 = PPD

Heathkit SA-2040 Antenna Tuner partial manual copy. \$4 PPD

Heathkit SB-104 Transciever original Assembly Manual. Excellent: \$12 = PPD

Heathkit V-6 VTVM original manual. Small chip in lower front cover corner. Otherwise good. \$6 PPD

Hy-Gain 18-AVT Vertical Antenna Manual. \$4 PPD

National NC-240D receiver good photocopy (2 copies available). \$5 EACH = PPD =20

Precision Apparatus TV-1 and TV2 High Voltage Multiplier Probe instruction sheet. \$3 PPD

Superior X-Rayometer original manual, 1939, no cover (may never have had one). \$7 or I'd buy your X-Rayometer to go with this manual!

Tektronix K plug-in operating manual. Excellent. \$7=20

Birnbach #41 catalog (from 1941 I think). Mostly parts, antennas and=20 accessories. Excellent. \$4 PPD

BTI (Brad Thompson Industries) brochure: The BTI Linear Amplifier. This =

amp uses an Eimac 3-1000Z. Undated. 2-color, 4-page. Nice. \$5 PPD =20

Cameradio 1961 catalog, some water stains and spine wear. \$8 PPD

CDE CDR TR-44 Ham Rotor Service Manual with CDE CDR sales brochure. \$6 = PPD

Communication Antenna Systems 1967 Catalog with cardboard slide rule = antenna

selector calculator. Excellent. \$5 PPD

Coto-Coil Radio Products Catalog, undated but it is 1930's vintage.=20 4 pages. \$3

E. F. Johnson Brochure: Viking I Transmitter Kit. 4-page. Fold crease and crack at fold on front. Some wear. \$6 PPD

Hammarlund SP-200 original sales glossy. Excellent. \$9 PPD

Hallicrafters HT-37 bochure. 2-page, B&W. Dated 10/21/59. Fold crease and some age wear. Nice. \$9 PPD

Heathkit Catalog # 861 Spring/Summer 1983 with hero robot on the cover. Nice shape. Ham gear includes the fabled SS-9000. \$8 PPD

Heathkit KS-1 Power Supply Advance Information Spec Sheet. 2-page, B&W. No photo. \$3 PPD

Hunter 2000C Bandit Linear Amplifier brochure. 2-page, 2-color, Very nice. \$5 PPD

IAC Double Bazooka Antenna brochure. \$2 PPD

International Crystal 1963 Catalog with "add-On-Circuit" sales = brochure.

Excellent. \$6 PPD

International Crystal 1965 catalog. Front cover corner chipped, cover stained. \$5 PPD

James Millen brochure: Laboratory and Industrial Grid-Dip Meter, =

4-page,

8-1/2x11, covers 90662-A dip meter in detail with sidebars on 90651 and 90661 meters. Excellent. \$8 PPD

KLM Summer 1979 catalog. \$2 PPD

Ohmite Ohms Law Calculator. Original 1941 version of the cardboard ohms law slide-rule. Good condition. Trade for any other radio-related = slide

rule calculator or \$8 PPD

Ohmite Parallel Resistance/Ohms Law calculator. Later 1949 version of = the

ohms law cardboard slide rule has Parallel Resistance calculator on = one=20

side and ohms law calculator on the other. I have 3 of these all in = good=20

shape to trade for any other radio-related cardboard calculator = slide-

rule calculator or \$6 PPD

RCA Automatic Timing Corrector brochure. Catalog B.3270 Preliminary.=20 Undated. 2-page, 2-color. \$3 PPD

Sangamo Mica Condensers, 2 pages, undated but it is 1930's vintage: \$2

Sylvania crystal diodes brochure and catalog, 1958. 12 pages. Good. \$5 = PPD

University Loudspeakers sales brochure. 1955. Excellent. \$3

Webster Electric: 4 2-sided flyers covering mobile PA systems, mic pre-amp 6095-AB, hi-fi pickups (tonearm/cartridges) and power amp 6093-R. 1934-1935. \$4

ARRL Operating An Amateur Radio Station, 1952, 31st edition. Cover = creased=20

and somewhat worn. \$7 PPD

ARRL Repeater Directory 1992-1993 edition. Like new. \$4 PPD

ARRL Net Directory. 1991-1992 edition. Like new. \$2 (for postage)

ARRL Solid State Basics. 1978 paperback 8-1/2x11. Very good. \$8 PPD

ARRL Antenna Book, 14th ed, 1984. Good. \$9 PPD

ARRL Antenna Compendium Volume 1, 1985. Good paperback. 175 pages. \$9 = PPD=20

ARRL "The Radio Operator's Operating Manual," 1st ed., 1966. Covers = worn.=20

\$7 shipped.

ARRL Radio Amateur's VHF Manual, 1972, 3rd ed. Very good. \$7 PPD

ARRL The FCC Rule Book. 1987. Near-mint. \$4 PPD

ARRL "Minilog" for Amateur Radio Stations "Engaged In Portable Or = Mobile

Operation." Excellent. Unused. \$6 PPD

Military TM 11-356 Radioteletype Terminal Equipment AN/FGC-1 original=20 manual. Dated August, 1952. Mint. \$11

Military TM 11-2246 Manual for Teletypewriter Sets AN/FGC-25 and -25X. =

This=20

is a Kleinschmidt version of the Model 19 set with KSR, punch and =  
TD all

on one table. This manual is almost 500 pages long. Cover fraying =  
at

spine. \$11 PPD

-----  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Copper Clad Antenna Wire  
Date: Wed, 25 Oct 2000 11:14:30 -0700  
Message-ID: <000001c03eaf\$6babe440\$3c000f3f@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks,

If you are interested in copper clad wire, go look at this site.  
<http://www.cwwire.com/>

There is quite a bit of difference between cheap copper plated steel  
wire and real copper clad steel wire, or real copperweld. The  
real stuff is more or less indestructible.

The thing to remember with copperweld, is it is rather hard to use.  
It bites back. In fact the stuff can be downright nasty to handle.  
Remember it is steel wire. Sharp bends can also break the "clad".  
If you have to bend the stuff, like to fit around antenna insulators  
etc, it can rust out at that point. It really should be gooped up  
with something to prevent this.

I don't think there is anything tougher, but it can really be nasty  
to use in short lengths. I would really suggest that a person use  
some sort of eye protection if they have to handle the stuff. A  
tight coil of the stuff can be like a spring.

Thing you might want to add to your list about such wire is it is  
popular for longer runs. It will not stretch. Pure copper wire will  
stretch. There is such a thing as "annealed" copper wire. It is  
said to be pre-stretched. You can anneal soft copper wire yourself  
by hooking one end to say a tree and the other the bumper of your car  
or truck and giving it a jerk. Whether it really stretches that much  
in actual use is debatable. Some real bargains on stranded plastic

covered copper wire can be had.

73 Jim K7SLI

-----  
Message-ID: <001401c03eae\$e076fd60\$361c29d8@tne1tcds>  
From: "Richard Brunner" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Hammarlund Gray Crackle Paint  
Date: Wed, 25 Oct 2000 14:09:47 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a Hammarlund HQ-129X which works marvellously well, but has a cosmetic defect; the crackle paint is flaking off the dial bezel. Where can I find "Hammarlund Gray" Crackle Paint?

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Message-Id: <4.2.0.58.20001025115650.00bca210@pop3.eimac.cpii.com>  
Date: Wed, 25 Oct 2000 12:06:21 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>  
Subject: National Co. CAA VHF xmtr & rcvr info needed  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy to the group

I have a National Co. CAA ( Civil Aeronautics Administration) VHF xmtr type TFI and rcvr. type RFI. They are rack mount and state on their nomenclature tags the freq. of operation as being 142 - 172 mcs. Both are xtal controlled. Would anyone have a manual or schematics for these sets or information as to what there specific use was.

I am familiar with the HF receivers that National made in the 30's for the CAA but this VHF set is a bit of a surprise ...at least to me.

Thanks  
Paul N6FEG

-----  
Message-ID: <39F7396B.4A4EA768@idirect.com>

Date: Wed, 25 Oct 2000 15:50:04 -0400  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Loran-D  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Folks,

Currently I'm researching hyperbolic radionavigation systems of the past. Did anyone in this group ever have any exposure to the Loran-D system in a previous lifetime? It was used by the USAF in Germany in the 1960's and was supposed to be a short range but more accurate version of the original Loran system.

--

Regards,  
Jerry Proc VE3FAB jproc@idirect.com  
<http://webhome.idirect.com/~jproc/ve3fab>  
HMCS HAIDA Historic Naval Ship, Toronto Ontario

-----  
Message-Id: <3.0.1.32.20001025150649.010b3740@vuse.vanderbilt.edu>  
Date: Wed, 25 Oct 2000 15:06:49 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: 65 kHz harmonic artifact?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This isn't strictly limited to BAs, but it sure interferes (so to speak) with BA enjoyment.

Over the past couple of weeks I have noticed a strong interference signal, fairly broad-band carrier with hum, hugely harmonic at 65 kHz intervals. It's present day and night, seems to be strongest around 1-2 mHz but is clearly evident even around 8-10 mHz.

Any ideas what this could be? Dog fence? Remote control of some kind?

73           A. B. Bonds

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Message-Id: <v03007809b61cf01d00c4@[209.179.244.149]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Date: Wed, 25 Oct 2000 13:18:35 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: Re: 65 kHz harmonic artifact?

>This isn't strictly limited to BAs, but it sure interferes (so to speak)  
>with BA enjoyment.

>

>Over the past couple of weeks I have noticed a strong interference signal,  
>fairly broad-band carrier with hum, hugely harmonic at 65 kHz intervals.  
>It's present day and night, seems to be strongest around 1-2 mHz but is  
>clearly evident even around 8-10 mHz.

>

>Any ideas what this could be? Dog fence? Remote control of some kind?

>

> 73 A. B. Bonds

A.B.,

Lots of switching power supplies operate in the 50-100 KHz range. They are supposed to be filtered and most are, but if not they can be very noisy. These supplies are found in nearly all modern electronics and in some new fluorescent light fixtures, particularly in office buildings. My experience with the commercial fluorescents is that they are very quiet and unlikely to be your problem.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Message-Id: <3.0.5.32.20001025152012.007bd150@pop.igc.org>  
Date: Wed, 25 Oct 2000 15:20:12 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.org>  
Subject: Re: 65 kHz harmonic artifact?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 03:06 PM 10/25/00 -0500, A. B. Bonds wrote:

>This isn't strictly limited to BAs, but it sure interferes (so to speak)  
>with BA enjoyment.

>  
>Over the past couple of weeks I have noticed a strong interference signal,  
>fairly broad-band carrier with hum, hugely harmonic at 65 kHz intervals.  
>It's present day and night, seems to be strongest around 1-2 mHz but is  
>clearly evident even around 8-10 mHz.  
>  
>Any ideas what this could be? Dog fence? Remote control of some kind?

I'm betting it's one of those lamps you touch with your finger to turn on and off and vary the intensity. These horrid things are rich in harmonics. I was plagued by on in the next apartment for more than a year before my neighbor kindly put it away.

Regards,

Dick

On Foreign Assignment In: Tulsa, OK

Dick Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX-28 versus SX-28A  
Date: Wed, 25 Oct 2000 19:43:49 EDT  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <LAW2-F243VmkWFBXZGY00001227@hotmail.com>

Thanks for the input Roberta, I have actually avoided this receiver because of all the work in restoring one. I would say it has its place in history. I guess if someone twisted my arm, I wud take one, but not for several hundred and I have to do all the caps. I just got a S77A. I can't believe how sensitive it is. Well I am surprised that the military did not make Hallicrafters update the model designators more frequently- as other suppliers had done. Maybe we wud have had SX-28 B-C-and D versions. Russ

>From: "Roberta J. Barmore" <rbarmore@email.msn.com>  
>To: <wb3fau@hotmail.com>, "Old Tube Radios" <boatanchors@theporch.com>



>Subject: Re: SX-28 versus SX-28A  
> --Well, my factory techs are off in a snit here at Transmitterland,  
>'cos  
>I won't let them put the new stuff in with clipleads and baling wire, so I  
>have a sec to take a stab at this....  
>  
>Russ wrote:  
>"My question is what improvements are  
>there in the A model? Hallicrafters has a history  
>of coming up with a new front panel, but essentially  
>same old radio behind the panel."  
>  
> The SX-28/-28A has exactly the opposite problem! Perhaps as a result  
>of  
>war production and a policy of incorporating improvements as they were  
>thunk  
>up, there are a lot of sets around that say "SX-28" on the front panel, but  
>are an SX-28A inside! ...Or \*mostly\* A, or \*some\* A.... It looks as if,  
>when they'd accumulated enough changes, Hallicrafters added an "A" to the  
>new front panels and kept on Hallicrafting.  
>  
> Realistically, there's not that much useful difference. The -28A's  
>coil  
>boxes are a little easier to take apart. The plain-stock 28 hasn't got a  
>line fuse. Either one, in good shape, is a very fine receiver. All SX-28s  
>are \*very\* heavy and have a deep, crowded chassis, with well-laced wiring  
>harness just to add to the servicing enjoyment. Circuit changes between  
>the  
>two models are, IMO, minor.  
>  
> They're worth fixing, if you have the time and upper-body strength!  
>  
> 73,  
> --Bobbi  
>  
>Roberta J. (Bobbi) Barmore KB9GKX "RJ" rbarmore@email.msn.com  
> SOWP 5598-TA \* FISTS 3388 \* ARRL \* RSGB \* WIA  
> Builder, restorer and user of vintage keys and tube-type ham gear  
>  
>[on many models]  
>For the sake of argument the SX-28A is by many  
>sources supposed one of their best efforts. Russ

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End of BOATANCHORS Digest 3019

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